

## ABSTRACT OF THE DISCLOSURE

5 A fluorescent lamp electronic ballast includes a power factor correction flyback circuit and an inverter ballast circuit. The power factor correction flyback circuit is composed of a rectifier connected to a DC to DC flyback converter. The flyback converter includes a flyback transformer connected to a diode/capacitor combination. The flyback transformer is switched during operation to produce a flyback waveform that is rectified by the diode and results in a DC output at the capacitor. The inverter ballast circuit receives the DC output and converts the DC output to an AC signal for operating the fluorescent lamp.

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